



November __, 2015

Reference No. 038443

Mr. Bruce Mangeot
B&G Equipment and Truck Repair, Inc.
1951 Dryden Road
Moraine, Ohio
45439

Dear Mr. Mangeot:

**Re: Summary of Vapor Intrusion Sampling Results
B&G Equipment and Truck Repair – Buildings 8 and 9
South Dayton Dump and Landfill Site, Moraine, Ohio**

GHD (formerly Conestoga-Rovers & Associates [CRA]) prepared this letter to inform you of the results of the vapor intrusion (VI) sampling completed at your property from 2012 to 2015. Sub-slab (SS, space under your building floor) and indoor air (IA) samples were collected in 2012 as part of the VI investigation at the South Dayton Dump and Landfill (SDDL) Site, and from 2013 to 2015 to evaluate the performance of the installed sub-slab depressurization system (SSDS). The sample locations within the B&G buildings (designated as Buildings 8 and 9) are presented on Figures 1 and 2, respectively. GHD is conducting this work on behalf of the companies that have responded to Agency requests for Site investigation and VI studies (Respondents). Oversight is being performed by USEPA.

VI is the migration of volatile chemicals from the subsurface into overlying buildings. VI is a potential concern at any building, existing or planned, located near soil, groundwater, or soil vapor containing solvent- or petroleum-based compounds that may volatilize or chemicals that are combustible.

GHD collected SS and IA samples to determine if solvent- or petroleum-related compounds are present in soil vapor beneath the foundation and in indoor air within the buildings at levels which exceed SS and/or IA screening levels, as established by the Ohio Department of Health (ODH).

The ODH has recommended the screening levels for SS and IA samples. The screening levels represent concentrations of substances that are unlikely to cause harmful (adverse) health effects in exposed people, based on residential exposure. Detections in IA below these levels are not a health concern. The SS screening levels are calculated based on an attenuation factor (AF) to account for the mixing and ventilation that occurs when vapors enter the IA space¹. In November 2015, USEPA

¹ The 2012 ODH Screening levels were calculated based on an AF of 10, reflective of 2002 USEPA guidance. USEPA revised and issued final VI guidance in 2015 which utilizes an AF of 33 for residential buildings; see "OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Source to Indoor Air" (USEPA, June 2015) (Final Vapor Intrusion Guidance)".

proposed to supplement the ODH screening levels for the industrial buildings with SSDSs at the Site with SS values based on an AF of 33, to reflect current VI guidance for residential buildings [screening levels calculated based on an AF of 33 are referred to as ODH SS screening levels (AF=33)]. GHD collected and submitted samples to TestAmerica Inc. GHD received and validated the results of the laboratory analysis. A copy of the validated analytical results compared to the ODH screening levels (AF=10) can be found in Tables 1 and 2 for Buildings 8 and 9, respectively.

Compounds detected at concentrations greater than the ODH SS screening levels (AF=10;AF=33) and ODH IA screening levels from SS and IA samples are presented below. All of the sample results are reported in units of parts per billion by volume (ppbv).

Table A Summary of Building 8 Sampling Results for B&G Equipment and Truck Repair, Inc.

Building / Location	Sample Type	Sampling Date	Parameter	Detected Concentration (ppbv)	ODH IA Screening Level (ppbv)	ODH SS Screening Level (AF=10; AF=33) (ppbv)
<i>Building 8</i>						
SS-8-A	Sub-slab	01/11/2012	Trichloroethylene (TCE)	1,400	Not Applicable	20; 66
		03/14/2012		960		
		08/07/2012		1,800		
		09/2013		780		
		01/09/2014		220		
		03/10/2014		240		
		02/17/2015		158 / 160		
		07/15/2015		480		
		10/06/2015		1,400		
SS-8-B	Sub-Slab	01/11/2012	TCE	31	Not Applicable	20; 66
		03/14/2012		26		
		08/07/2012		95		
SS-8-C	Sub-Slab	08/07/2012	TCE	35	Not Applicable	20; 66
SS-8-D	Sub-Slab	01/11/2012	TCE	420	Not Applicable	20; 66
		03/14/2012		420 / 350		
		08/07/2012		930		
		09/12/2013		200 / 290		
		01/09/2014		36 / 43		
		07/15/2015		34 / 32		
IA-8-A	Indoor Air	02/17/2015	Benzene ^[A]	8	2	Not Applicable

Table A Summary of Building 8 Sampling Results for B&G Equipment and Truck Repair, Inc.

Building / Location	Sample Type	Sampling Date	Parameter	Detected Concentration (ppbv)	ODH IA Screening Level (ppbv)	ODH SS Screening Level (AF=10; AF=33) (ppbv)
IA-8-C	Indoor Air	03/14/2012	Benzene ^[A]	20	2	Not Applicable
IA-8-D	Indoor Air	01/09/2014	Benzene ^[A]	2.3	2	Not Applicable
		02/17/2015		7.3 / 9.1		
IA-8-F	Indoor Air	03/14/2012	Benzene ^[A]	13	2	Not Applicable
		07/15/2015		3.4		
IA-8-Office	Indoor Air	03/14/2012	Benzene ^[A]	26 J	2	Not Applicable
		01/09/2014		2.4		
<i>Building 9</i>						
SS-9-A	Sub-Slab	01/11/2012	TCE	1,800 / 1,800	Not Applicable	20; 66
		03/27/2012		3,100		
		02/17/2015		580		
		07/15/2015		1,700		
SS-9-E	Sub-Slab	05/20/2014	TCE	150	Not Applicable	20; 66
IA-9-A	Indoor Air	03/27/2012	Ethylbenzene ^[A] m&p-Xylenes ^[A] o-Xylenes ^[A] TCE	270 1,200 390 13 J	250 200 200 2	Not Applicable
IA-9-A	Indoor Air	03/10/2014	Benzene ^[A] m&p-Xylenes ^[A]	17 J 470	2 200	Not Applicable
IA-9-A	Indoor Air	02/17/2015	Benzene ^[A]	4	2	Not Applicable
IA-9-B	Indoor Air	03/14/2012	m&p-Xylenes ^[A]	420	200	Not Applicable
IA-9-B	Indoor Air	03/10/2014	Benzene ^[A] m&p-Xylenes ^[A]	8.1 310	2 200	Not Applicable
IA-9-B	Indoor Air	02/17/2015	Benzene ^[A]	4.2	2	Not Applicable

Notes:

Value / Value – Result / Duplicate Result

J – Estimated Concentration

[^A] – This compound was either not detected or detected at concentrations less than the ODH screening level in the adjacent sub-slab soil vapor sample, indicating that the indoor air concentration is not due to vapor intrusion

What do these results mean?

Some compounds were detected in IA samples (i.e., benzene in Building 8; ethylbenzene and xylenes in Building 9) at concentrations greater than ODH IA screening levels. These compounds were either not detected or detected at concentrations less than ODH SS screening levels in the co-located SS soil vapor samples, indicating that the IA concentrations are not due to VI but instead are due to presence in ambient air. VI-related concentrations in IA samples do not exceed screening levels.

The 2012 TCE SS sample results were greater than the ODH SS screening level. TCE was either not detected or detected at concentrations less than the ODH IA screening level in IA samples. These results showed that at the time of each sampling event in 2012, VI was not documented in Building 8, but there was the potential for VI to occur.

The installation of the SSDS in Building 8 was completed on August 21, 2013, with upgrades completed on November 27, 2013. The installation of the SSDS in Building 9 was completed on September 30, 2013. The concentrations of TCE in SS soil vapor decreased significantly since the installation of the SSDSs, yet remain greater than the ODH SS Screening Level (AF=33). Following the installation of the SSDSs, IA concentrations of TCE continued to be less than the ODH IA screening level, which indicates that the SSDSs are mitigating VI from SS soil vapor into IA.

Conclusion

Based on the TCE SS soil vapor sample exceedances of ODH SS screening levels (AF=10 and AF=33), continued operation of the SSDSs for Building 8 and 9 is required and system upgrades should be considered.

Recommendations

As presented on Figure 1, U.S. EPA and GHD propose to install one additional extraction point (EP-5) and two stemlines (EP-3 stemline 2, and EP-5 stemline) in Building 8 in the vicinity of SS-8-A in order to further address the TCE exceedances at that location.

As presented on Figure 2, U.S. EPA and GHD propose to install one additional extraction point (EP-3), and two stemlines (EP-2 stemline, and EP-3 stemline) in Building 9 in the vicinity of SS-9-A in order to further address the TCE exceedances at that location.

In both buildings, GHD will install valves at all extraction points, where possible, to control and reduce the amount of vacuum applied to the sub-slab. GHD notes that it may not be feasible to install valves at all suction points due to the existing system configuration.

We would like to discuss the information and recommendations provided in this letter with you and will be in contact to make arrangements for a meeting.

Thank you for your cooperation. If you have questions related to the sampling or on-going site investigation, please do not hesitate to contact the undersigned.

GHD Services Inc.

Julian Hayward

VC/cb/5

Encl.

cc: Steve Renninger - U.S. EPA Removal Program Manager
Leslie Patterson – U.S. EPA Remedial Program Manager
Jenny Davison – U.S. EPA Remedial Program Manager
Maddie Adams – Ohio EPA, Site Coordinator

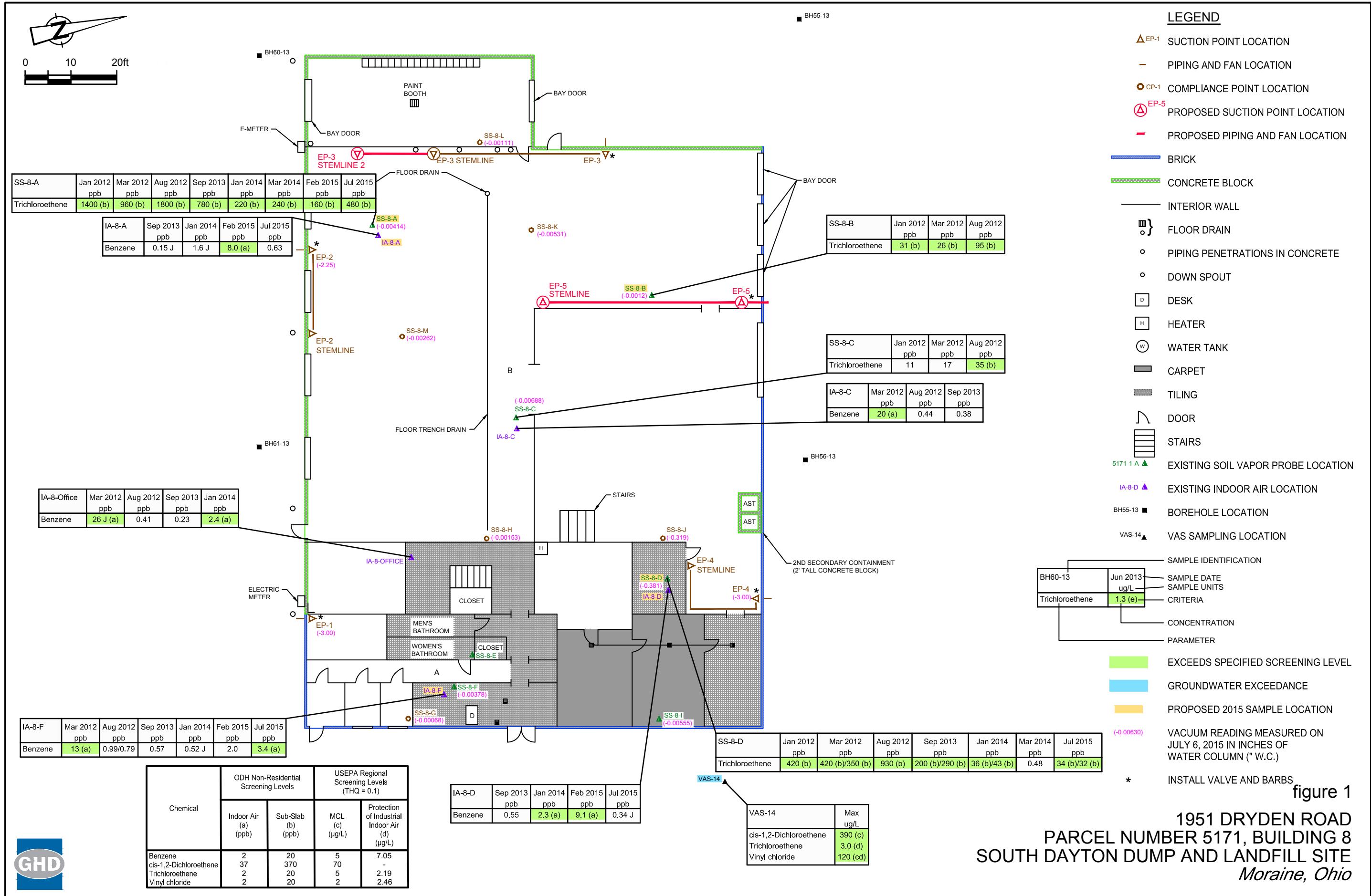


figure 1

1951 DRYDEN ROAD
PARCEL NUMBER 5171, BUILDING 8
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

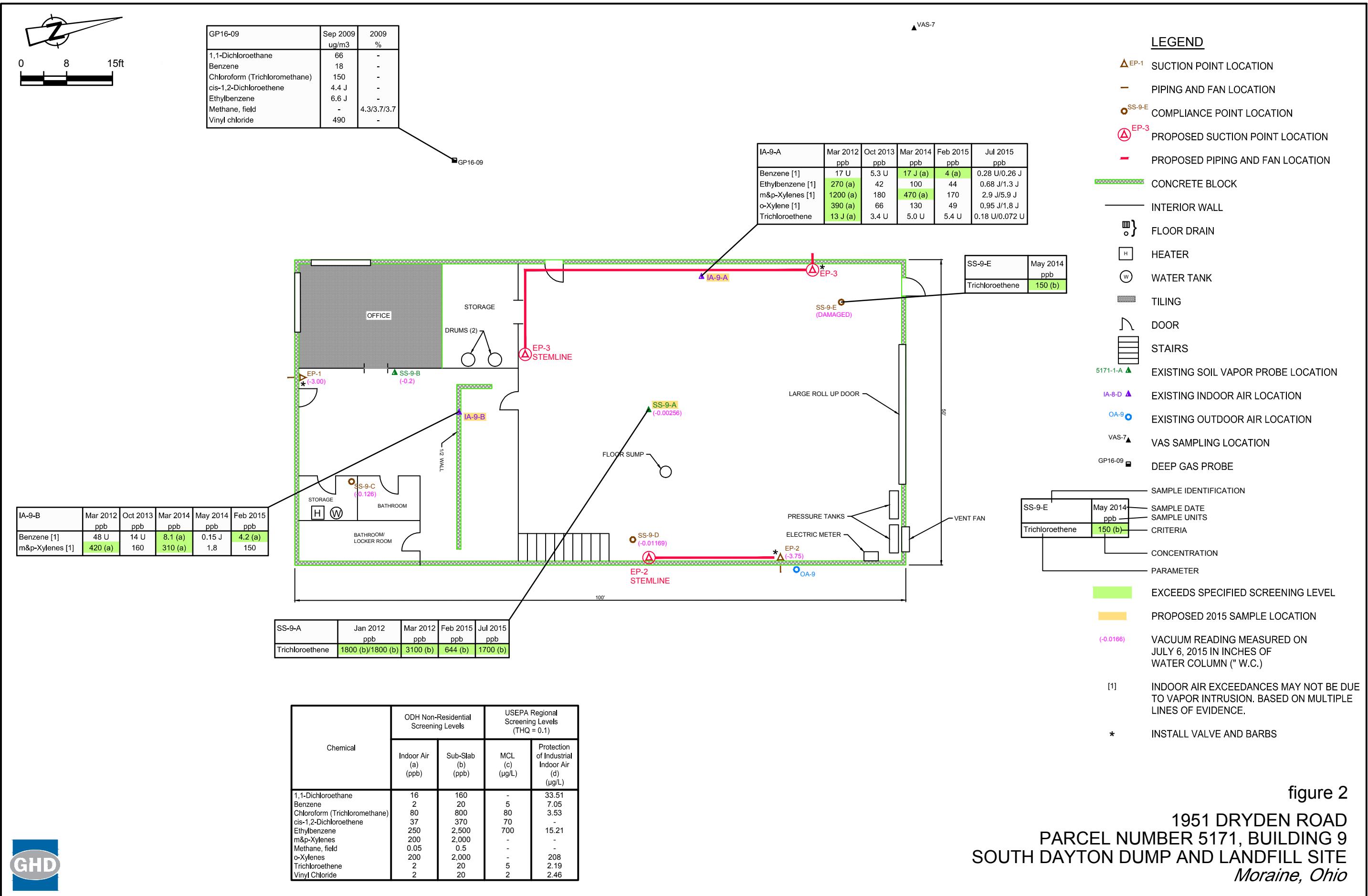


Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					IA-8-A 9/12/2013	IA-8-A 1/9/2014	IA-8-A 2/17/2015	IA-8-A 7/15/2015	IA-8-C 3/14/2012	IA-8-C 8/7/2012	IA-8-C 9/12/2013	IA-8-D 9/12/2013
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		a	c	b	d				
Volatile Organic Compounds	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.24 U	0.13 U	0.026 U	0.95 U	0.026 U	0.026 U	0.026 U
Benzene	20	2	200	20	0.15 J	1.6 J	8.0 ^c	0.63	20 ^c	0.44	0.38	0.55
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.35 U	0.19 U	0.038 U	1.4 U	0.038 U	0.038 U	0.038 U
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.55 U	0.30 U	0.060 U	2.2 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	2500	250	25000	2500	0.29	21	17	0.33	34	1.1	6.6	7.1
m&p-Xylenes	2000	200	20000	2000	1.2	100	72	1.7	140	3.7	28	31
Naphthalene	29	2.9	-	-	0.090 U	0.97 J	0.82 J	0.090 U	3.3 U	0.090 U	0.45 J	0.62
o-Xylene	2000	200	20000	2000	0.65	44	28	0.86	44	1.1	15	17
Tetrachloroethene	250	25	2500	250	0.040 U	0.36 U	0.20 U	0.040 U	1.5 U	0.062 J	0.23	0.36
Trichloroethene	20	2	200	20	0.036 U	0.33 U	1.7	0.036 U	1.5 J	0.12 J	0.076 J	0.052 J
Vinyl chloride	20	2	200	20	0.071 U	0.65 U	0.36 U	0.071 U	2.6 U	0.071 U	0.071 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:												
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-8-D 1/9/2014	IA-8-D 2/17/2015	IA-8-D 2/17/2015	IA-8-D 7/15/2015	IA-8-F 3/14/2012	IA-8-F 8/7/2012	IA-8-F 8/7/2012	IA-8-F 9/12/2013
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d							Duplicate	
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.26 U	0.13 U	0.27 U	0.052 U	0.99 U	0.026 U	0.026 U	0.026 U
Benzene	20	2	200	20	2.3 ^c	7.3 ^c	9.1 ^c	0.34 J	13 ^c	0.99	0.79	0.57
Chloroform (Trichloromethane)	800	80	8000	800	0.38 U	0.19 U	0.14 U	0.076 U	1.4 U	0.091 J	0.067 J	0.047 J
cis-1,2-Dichloroethene	370	37	3700	370	0.60 U	0.30 U	0.69 U	0.12 U	2.3 U	0.060 U	0.25	0.060 U
Ethylbenzene	2500	250	25000	2500	41	19	25.4	7.6	27	9.5	7.6	7.2
m&p-Xylenes	2000	200	20000	2000	190	77	74.3	43	110	36	32	32
Naphthalene	29	2.9	-	-	1.5 J	0.45 U	0.69 U	0.39 J	3.4 U	0.090 UJ	0.096 J	0.36 J
o-Xylene	2000	200	20000	2000	76	28	37.2	25	33	8.5	8.4	10
Tetrachloroethene	250	25	2500	250	0.40 U	0.20 U	0.14 U	0.080 U	1.5 U	0.13 J	0.076 J	0.14 J
Trichloroethene	20	2	200	20	0.38 J	0.32 J	0.44	0.072 U	1.4 U	0.96	0.89	0.11 J
Vinyl chloride	20	2	200	20	0.71 U	0.36 U	0.14 U	0.14 U	2.7 U	0.071 U	0.071 U	0.071 U

Notes:

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-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-8-F 1/9/2014	IA-8-F 2/17/2015	IA-8-F 7/15/2015	IA-8-Office 3/14/2012	IA-8-Office 8/7/2012	IA-8-Office 9/12/2013	IA-8-Office 1/9/2014	OA-8 3/14/2012
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.065 UJ	0.026 U	0.10 U	6.1 U	0.026 U	0.026 U	0.26 U	0.026 U
Benzene	20	2	200	20	0.52 J	2.0	3.4 ^c	26 J ^{cd}	0.41	0.23	2.4 ^c	0.41
Chloroform (Trichloromethane)	800	80	8000	800	0.095 UJ	0.038 U	0.15 U	9.0 U	0.043 J	0.059 J	0.38 U	0.17 J
cis-1,2-Dichloroethene	370	37	3700	370	0.15 UJ	0.060 U	0.24 U	14 U	0.060 U	0.060 U	0.60 U	0.060 U
Ethylbenzene	2500	250	25000	2500	12 J	4.4	26	22 J	3.8	2.9	28	0.16 J
m&p-Xylenes	2000	200	20000	2000	56 J	19	100	89	15	12	130	0.52
Naphthalene	29	2.9	-	-	0.27 J	0.25 J	0.36 U	21 U	0.090 U	0.39 J	1.4 J	0.090 U
o-Xylene	2000	200	20000	2000	18 J	6.9	33	30 J	4.3	4.6	54	0.19 J
Tetrachloroethene	250	25	2500	250	0.10 UJ	0.055 J	2.1	9.5 U	0.040 U	0.091 J	0.40 U	0.18 J
Trichloroethene	20	2	200	20	0.14 J	0.17 J	0.24 J	8.5 U	0.29	0.057 J	0.36 U	0.052 J
Vinyl chloride	20	2	200	20	0.18 UJ	0.071 U	0.28 U	17 U	0.071 U	0.071 U	0.71 U	0.071 U

Notes:

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-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					OA-8 8/7/2012	OA-8 1/9/2014	OA-8 7/15/2015	OA-8-2015 2/17/2015	SS-8-A 1/11/2012	SS-8-A 3/14/2012	SS-8-A 8/7/2012	SS-8-A 9/12/2013
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels									
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	2.8 U	2.8 U	0.25 J	0.81 U
Benzene	20	2	200	20	0.30	0.25	0.098 J	0.32	1.5 U	6.0 U	1.1 J	1.8 U
Chloroform (Trichloromethane)	800	80	8000	800	0.042 J	0.038 U	0.038 U	0.038 U	16	17 J	25	9.8
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	27	28	48	110
Ethylbenzene	2500	250	25000	2500	1.9	0.16 J	0.073 J	0.068 J	1.8 U	7.3 U	0.54 U	2.1 U
m&p-Xylenes	2000	200	20000	2000	8.2	0.59	0.27	0.19 J	3.9 U	13 U	1.4 J	5.2 J
Naphthalene	29	2.9	-	-	0.090 UJ	0.090 UJ	0.090 U	0.090 U	6.9 UJ	9.6 U	0.72 UJ	2.8 U
o-Xylene	2000	200	20000	2000	2.5	0.22	0.093 J	0.069 J	1.8 U	6.5 U	0.69 J	1.9 U
Tetrachloroethene	250	25	2500	250	0.040 U	0.040 U	0.040 U	0.040 U	8.5 J	7.8 J	15	15
Trichloroethene	20	2	200	20	0.072 J	0.036 U	0.036 U	0.036 U	1400^{ab}	960^{ab}	1800^{ab}	780^{ab}
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	2.3 U	7.6 U	0.57 U	2.2 U

Notes:

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-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:					SS-8-A 1/9/2014	SS-8-A 3/10/2014	SS-8-A 2/17/2015	SS-8-A 2/17/2015	SS-8-A 7/15/2015	SS-8-B 1/11/2012	SS-8-B 3/14/2012	SS-8-B 8/7/2012
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels									
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.26 U	0.26 U	0.29 U	0.13 U	1.5 U	0.10 U	0.13 U	0.26 U
Benzene	20	2	200	20	0.56 U	1.5 J	0.65	0.57 J	3.2 U	0.13 J	1.1	0.74 J
Chloroform (Trichloromethane)	800	80	8000	800	2.2	3.9	1.9	1.8	7.3 J	0.74	1.0	2.3
cis-1,2-Dichloroethene	370	37	3700	370	17	20	16.3	13	29	0.49 J	0.55 J	1.4 J
Ethylbenzene	2500	250	25000	2500	0.97 J	0.68 U	6.6	4.4	3.9 U	0.80	0.34 U	1.0 J
m&p-Xylenes	2000	200	20000	2000	4.3	1.2 J	38.3	26	6.9 U	1.1 J	0.60 U	4.1
Naphthalene	29	2.9	-	-	0.90 UJ	0.90 U	0.94	0.45 U	5.2 U	0.26 U	0.45 U	0.90 U
o-Xylene	2000	200	20000	2000	1.7 J	0.61 U	27.4	20	3.5 U	0.40 J	0.30 U	1.8 J
Tetrachloroethene	250	25	2500	250	3.3	3.1	3	2.2	7.1 J	76	79	220
Trichloroethene	20	2	200	20	220 ^{ab}	240 ^{ab}	158 ^a	160 ^a	480 ^{ab}	31 ^a	26 ^a	95 ^a
Vinyl chloride	20	2	200	20	0.71 U	0.71 U	0.15 U	0.36 U	4.1 U	0.087 U	0.36 U	0.71 U

Notes:

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-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location:				SS-8-C 1/11/2012	SS-8-C 3/14/2012	SS-8-C 8/7/2012	SS-8-D 1/11/2012	SS-8-D 3/14/2012	SS-8-D 3/14/2012 Duplicate	SS-8-D 8/7/2012	SS-8-D 9/12/2013	
Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels									
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.076 J	0.28 U	0.22 J	0.69 U	0.75 U	0.75 U	1.0 U	0.26 U
Benzene	20	2	200	20	0.077 J	0.59 U	0.28 U	0.35 U	1.6 U	1.6 U	2.2 U	0.56 U
Chloroform (Trichloromethane)	800	80	8000	800	0.89	1.4 J	3.3	3.8 J	4.9 J	5.0 J	7.4 J	2.6
cis-1,2-Dichloroethene	370	37	3700	370	1.7	2.7	5.0	10	13	14	20	4.6
Ethylbenzene	2500	250	25000	2500	0.10 J	0.72 U	0.34 U	0.43 U	2.0 U	2.0 U	2.7 U	0.68 U
m&p-Xylenes	2000	200	20000	2000	0.42 J	1.3 U	0.60 U	0.95 U	3.4 U	3.4 U	4.7 U	1.9 J
Naphthalene	29	2.9	-	-	0.13 UJ	0.95 U	0.45 U	1.7 UJ	2.6 U	2.6 U	3.5 U	0.90 U
o-Xylene	2000	200	20000	2000	0.15 J	0.65 U	0.30 U	0.43 U	1.8 U	1.8 U	2.4 U	0.84 J
Tetrachloroethene	250	25	2500	250	21	32	78	8.4	14	11	28	11
Trichloroethene	20	2	200	20	11	17	35 ^a	420 ^{ab}	420 ^{ab}	350 ^{ab}	930 ^{ab}	200 ^a
Vinyl chloride	20	2	200	20	0.044 U	0.75 U	0.36 U	0.57 U	2.0 U	2.0 U	2.8 U	0.71 U

Notes:

All units are in parts per billion by volume (ppbv)

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-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-8-D 9/12/2013 Duplicate	SS-8-D 1/9/2014 Duplicate	SS-8-D 1/9/2014 Duplicate	SS-8-D 3/10/2014 Duplicate	SS-8-D 7/15/2015 Duplicate	SS-8-D 7/15/2015 Duplicate	SS-8-F 1/11/2012 Duplicate	SS-8-F 1/11/2012 Duplicate
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-8-D 9/12/2013 Duplicate	SS-8-D 1/9/2014 Duplicate	SS-8-D 1/9/2014 Duplicate	SS-8-D 3/10/2014 Duplicate	SS-8-D 7/15/2015 Duplicate	SS-8-F 1/11/2012 Duplicate	SS-8-F 1/11/2012 Duplicate	
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.26 U	0.052 U	0.065 U	0.029 J	0.052 U	0.033 U	0.035 U	0.052 U
Benzene	20	2	200	20	0.56 U	0.65	0.69	3.8	0.35 J	0.27	0.17 J	0.18 J
Chloroform (Trichloromethane)	800	80	8000	800	3.5	0.53	0.59	0.068 J	0.53	0.53	0.19 J	0.20 J
cis-1,2-Dichloroethene	370	37	3700	370	6.1	1.2	1.4	0.21	1.8	1.8	0.014 U	0.021 U
Ethylbenzene	2500	250	25000	2500	0.68 U	2.4	3.5	15	0.56	0.44	0.20	0.18 J
m&p-Xylenes	2000	200	20000	2000	2.2	8.0	12	57	3.0	2.3	0.44 J	0.31 J
Naphthalene	29	2.9	-	-	0.90 U	0.18 UJ	0.23 UJ	0.60	0.18 U	0.11 U	0.086 UJ	0.13 J
o-Xylene	2000	200	20000	2000	1.0 J	4.3	6.4	27	1.6	1.3	0.18 J	0.13 J
Tetrachloroethene	250	25	2500	250	15	3.6	4.5	0.57	5.6	5.1	0.59	0.62
Trichloroethene	20	2	200	20	290 ^{ab}	36 ^a	43 ^a	0.48	34 ^a	32 ^a	5.3	5.6
Vinyl chloride	20	2	200	20	0.71 U	0.14 U	0.18 U	0.071 U	0.14 U	0.089 U	0.029 U	0.043 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 1

Summary Of Building 8 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		SS-8-F 3/14/2012	SS-8-F 8/7/2012	SS-8-F 7/15/2015			
	Sub-Slab Soil Gas		Indoor Air							
	a	c	b	d						
Volatile Organic Compounds										
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U			
Benzene	20	2	200	20	0.26	0.23	0.099 J			
Chloroform (Trichloromethane)	800	80	8000	800	0.22	0.14 J	0.18 J			
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U			
Ethylbenzene	2500	250	25000	2500	0.43	0.79	0.18 J			
m&p-Xylenes	2000	200	20000	2000	1.2	2.9	0.64			
Naphthalene	29	2.9	-	-	0.090 U	0.090 U	0.090 U			
o-Xylene	2000	200	20000	2000	0.37	0.83	0.23			
Tetrachloroethene	250	25	2500	250	0.81	0.50	0.95			
Trichloroethene	20	2	200	20	5.3	3.0	2.4			
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UU - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:												
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-9-A 3/27/2012	IA-9-A 10/24/2013	IA-9-A 3/10/2014	IA-9-A 2/17/2015	IA-9-A 2/17/2015	IA-9-A 7/15/2015	IA-9-A 7/15/2015 Duplicate	IA-9-B 3/14/2012
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	7.9 U	2.5 U	3.6 U	3.9 U	0.29 U	0.13 U	0.052 U	22 U
Benzene	20	2	200	20	17 U	5.3 U	17 J ^c	8.5 U	4 ^c	0.28 U	0.26 J	48 U
Chloroform (Trichloromethane)	800	80	8000	800	12 U	3.6 U	5.3 U	5.8 U	0.14 U	0.19 U	0.076 U	32 U
cis-1,2-Dichloroethene	370	37	3700	370	18 U	5.7 U	8.4 U	9.1 U	0.72 U	0.30 U	0.12 U	51 U
Ethylbenzene	2500	250	25000	2500	270 ^c	42	100	44	36.7	0.68 J	1.3 J	94 J
m&p-Xylenes	2000	200	20000	2000	1200 ^c	180	470 ^c	170	103	2.9 J	5.9 J	420 ^c
Naphthalene	29	2.9	-	-	27 U	8.5 U	13 U	14 U	0.71 U	0.45 U	0.18 UJ	76 U
o-Xylene	2000	200	20000	2000	390 ^c	66	130	49	40.1	0.95 J	1.8 J	150 J
Tetrachloroethylene	250	25	2500	250	12 U	3.8 U	5.6 U	6.1 U	0.14 U	0.20 U	0.080 U	34 U
Trichloroethylene	20	2	200	20	13 J ^c	3.4 U	5.0 U	5.4 U	0.14 U	0.18 U	0.072 U	31 U
Vinyl chloride	20	2	200	20	22 U	6.7 U	9.9 U	11 U	0.14 U	0.36 U	0.14 U	60 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

-- Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					IA-9-B 10/24/2013	IA-9-B 3/10/2014	IA-9-B 5/20/2014	IA-9-B 2/17/2015	IA-9-E 5/20/2014	IA-9-E 5/20/2014 Duplicate	OA-9 3/14/2012	OA-9 10/24/2013
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		IA-9-B 10/24/2013	IA-9-B 3/10/2014	IA-9-B 5/20/2014	IA-9-B 2/17/2015	IA-9-E 5/20/2014	IA-9-E 5/20/2014 Duplicate	OA-9 3/14/2012	OA-9 10/24/2013
	Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	6.3 U	0.47 U	0.026 U	0.52 U	0.026 U	0.026 U	0.026 U	0.026 U
Benzene	20	2	200	20	14 U	8.1 ^c	0.15 J	4.2 ^c	0.17 J	0.19 J	0.32	0.056 U
Chloroform (Trichloromethane)	800	80	8000	800	9.2 U	0.69 U	0.038 U	0.76 U	0.038 U	0.038 U	0.17 J	0.038 U
cis-1,2-Dichloroethene	370	37	3700	370	15 U	1.1 U	0.060 U	1.2 U	0.060 U	0.060 U	0.060 U	0.060 U
Ethylbenzene	2500	250	25000	2500	39 J	73	0.41	39	3.1	3.9	0.14 J	0.068 U
m&p-Xylenes	2000	200	20000	2000	160	310 ^c	1.8	150	13	17	0.48	0.12 U
Naphthalene	29	2.9	-	-	22 U	1.6 U	0.090 U	1.8 U	0.090 U	0.090 U	0.090 U	0.090 U
o-Xylene	2000	200	20000	2000	60	85	0.70	44	5.0	6.3	0.16 J	0.061 U
Tetrachloroethylene	250	25	2500	250	9.7 U	0.73 U	0.040 U	0.80 U	0.040 U	0.040 U	0.23	0.040 U
Trichloroethylene	20	2	200	20	8.7 U	0.65 U	0.036 U	0.72 U	0.036 U	0.036 U	0.50	0.036 U
Vinyl chloride	20	2	200	20	17 U	1.3 U	0.071 U	1.4 U	0.071 U	0.071 U	0.071 U	0.071 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					OA-9 3/10/2014	OA-9 5/20/2014	OA-9 2/17/2015	OA-9 7/15/2015	OA-9-Tree 3/27/2012	SS-9-A 1/11/2012	SS-9-A 1/11/2012 Duplicate	SS-9-A 3/27/2012
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d				
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air								
Volatile Organic Compounds												
1,1-Dichloroethane	160	16	1600	160	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	3.5 U	3.5 U	4.3 U
Benzene	20	2	200	20	0.25	0.16 J	0.31	0.079 J	0.15 J	1.8 U	1.8 U	9.2 U
Chloroform (Trichloromethane)	800	80	8000	800	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	4.6 J	4.3 J	8.6 J
cis-1,2-Dichloroethene	370	37	3700	370	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	1.4 U	1.4 U	9.9 U
Ethylbenzene	2500	250	25000	2500	0.10 J	0.068 U	0.068 U	0.068 U	0.068 U	2.2 U	2.2 U	11 U
m&p-Xylenes	2000	200	20000	2000	0.36	0.16 J	0.14 J	0.24	0.12 U	4.8 U	4.8 U	20 U
Naphthalene	29	2.9	-	-	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	8.6 UJ	8.6 UJ	15 U
o-Xylene	2000	200	20000	2000	0.11 J	0.066 J	0.061 U	0.083 J	0.061 U	2.2 U	2.2 U	10 U
Tetrachloroethylene	250	25	2500	250	0.040 U	0.064 J	0.040 U	0.040 U	0.040 U	48	54	80
Trichloroethylene	20	2	200	20	0.036 U	0.036 U	0.45	0.036 U	0.042 J	1800 ^{ab}	1800 ^{ab}	3100 ^{ab}
Vinyl chloride	20	2	200	20	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	2.9 U	2.9 U	12 U

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.

Table 2

Summary Of Building 9 - B+G Trucking VI Analytical Results
South Dayton Dump And Landfill Site
Moraine, Ohio
2012-2015

Sample Location: Sample Date:					SS-9-A 2/17/2015	SS-9-A 2/17/2015	SS-9-A 7/15/2015	SS-9-B 1/11/2012	SS-9-B 3/14/2012	SS-9-B 5/20/2014	SS-9-E 5/20/2014			
Parameters	ODH Non-Residential Screening Levels		ODH Non-Residential Action Levels		Sub-Slab Soil Gas a	Indoor Air c	Sub-Slab Soil Gas b	Indoor Air d	SS-9-A 2/17/2015	SS-9-A 7/15/2015	SS-9-B 1/11/2012	SS-9-B 3/14/2012	SS-9-B 5/20/2014	SS-9-E 5/20/2014
	Sub-Slab Soil Gas	Indoor Air	Sub-Slab Soil Gas	Indoor Air										
Volatile Organic Compounds														
1,1-Dichloroethane	160	16	1600	160	0.29 U	1.7 U	2.5 U	2.6 U	5.4 U	1.9	0.21 U			
Benzene	20	2	200	20	2	3.6 U	5.5 U	1.4 U	12 U	0.056 U	0.45 U			
Chloroform (Trichloromethane)	800	80	8000	800	0.69	2.5 U	3.7 U	2.3 U	7.9 U	1.6	0.64 J			
cis-1,2-Dichloroethene	370	37	3700	370	0.72 U	3.9 U	5.8 U	1.1 U	12 U	0.060 U	0.48 U			
Ethylbenzene	2500	250	25000	2500	4.8	4.4 U	6.6 U	22	19 J	2.0	2.1			
m&p-Xylenes	2000	200	20000	2000	6.1	7.8 U	12 U	92	76	9.2	8.9			
Naphthalene	29	2.9	-	-	0.71 U	5.9 U	8.8 UJ	6.5 UJ	19 U	0.090 U	0.72 U			
o-Xylene	2000	200	20000	2000	0.93	4.0 U	5.9 U	27	26 J	3.0	3.0			
Tetrachloroethylene	250	25	2500	250	30.5	23	86	0.83 U	8.3 U	0.50	8.2			
Trichloroethylene	20	2	200	20	644 ^{ab}	580 ^{ab}	1700 ^{ab}	2.3 U	7.5 U	1.3	150 ^a			
Vinyl chloride	20	2	200	20	0.14 U	4.6 U	6.9 U	2.2 U	15 U	0.071 U	0.57 U			

Notes:

All units are in parts per billion by volume (ppbv)

J - Estimated concentration.

U - Not detected at the associated reporting limit.

UJ - Not detected; associated reporting limit is estimated.

- - Not applicable.